

What is claimed is:

1. A detector for an X-ray computer tomograph, comprising:

a plurality of detector modules, mounted alongside one another on a frame, wherein each of the detector modules includes, on its front face, a plurality of sensor elements for detection of an intensity of incident X-ray radiation; and

means for holding a pressure-contact apparatus, including a heating element, located on a rear face of the detector modules facing away from the sensor elements.

2. The detector as claimed in claim 1, wherein the means for holding includes at least one bracket.

3. The detector as claimed in claim 2, wherein the at least one bracket and at least one detector module are mounted on the frame by at least one attachment element.

4. The detector as claimed in claim 2, wherein at least two brackets for detector modules mounted on the frame form a channel for insertion of the pressure-contact apparatus.

5. The detector as claimed in claim 1, wherein the pressure-contact apparatus is an inflatable flexible tube.

6. A heating apparatus, adapted to be held in the detector as claimed in claim 1, wherein an elongated pressure-contact apparatus is fitted with a heating element which extends over a major part of its length.

7. The heating apparatus as claimed in claim 6, wherein the pressure-contact apparatus is an inflatable flexible tube.

8. The heating apparatus as claimed in claim 6, wherein a valve is fitted at one end of the flexible tube.

9. The heating apparatus as claimed in claim 6, wherein the heating element includes at least one temperature sensor.

10. The heating apparatus as claimed in claim 7, wherein the heating element is adhesively bonded onto an outer face of the flexible tube.

11. The heating apparatus as claimed in claim 7, wherein lines for connection of the heating element are routed away at one end of the flexible tube.

12. A method for production of calibration tables for the detector as claimed in claim 1, comprising:

inserting a heating apparatus into the means for holding;

pressing the heating element against the rear face of the detector modules by using the pressure-contact apparatus; and

producing the calibration tables.

13. The method as claimed in claim 12, wherein, once the calibration tables have been produced, the pressure-contact apparatus is released, and the heating apparatus is pulled out of the channel.

14. The method as claimed in claim 12, wherein the pressure-contact apparatus includes a flexible tube, and wherein the heating element is pressed into contact by inflation of the flexible tube.

15. The detector as claimed in claim 1, wherein the means for holding and at least one detector module are mounted on the frame by attachment elements.

16. The detector as claimed in claim 4, wherein the pressure-contact apparatus is an inflatable flexible tube.

17. The heating apparatus as claimed in claim 7, wherein a valve is fitted at one end of the flexible tube.

18. The heating apparatus as claimed in claim 6, wherein the heating element includes at least one thermocouple.

19. The heating apparatus as claimed in claim 6, wherein the heating element includes at least one sensor with a temperature-dependent resistance.

20. The method as claimed in claim 13, wherein the pressure-contact apparatus includes a flexible tube, and wherein the heating element is pressed into contact by inflation of the flexible tube.

21. A detector for an X-ray computer tomograph, comprising:

a plurality of detector modules, mounted on a frame, each of the detector modules including a plurality of sensor elements for detection of an intensity of incident X-ray radiation; and

at least one bracket, adapted to hold a pressure-contact apparatus, including a heating element, located on the detector modules facing away from the sensor elements.

22. The detector as claimed in claim 21, wherein the at least one bracket and at least one detector module are mounted on the frame by at least one attachment element.

23. The detector as claimed in claim 21, wherein at least two brackets for detector modules are mounted on the frame to form a channel for insertion of the pressure-contact apparatus.

24. The detector as claimed in claim 22, wherein at least two brackets for detector modules are mounted on the frame to form a channel for insertion of the pressure-contact apparatus.

25. The detector as claimed in claim 21, wherein the pressure-contact apparatus includes an inflatable flexible tube.

26. The detector as claimed in claim 23, wherein the pressure-contact apparatus includes an inflatable flexible tube.

27. The detector as claimed in claim 24, wherein the pressure-contact apparatus includes an inflatable flexible tube.